WHAT IS CLAIMED IS:

- 1. A method for mapping a descriptive language including a data description having a structure complexity into an object oriented data presentation, comprising the steps of:
- identifying the data description; and creating an object oriented class including an internal static class, wherein the internal static class corresponds to the structure complexity of the data description.
- 2. The method as recited in claim 1, wherein said method further comprises receiving a Schema for an XML text.
 - 3. The method as recited in claim 1, wherein said identifying includes validating a Schema including a class description to provide the creation of an instance of a compiler class corresponding to the class description.
- 4. The method as recited in claim 3, wherein said validating includes using a object finite state machine including a current state to verify a mutator method call against the current state of the object, wherein the Schema is invalid when the mutator method call is initiated before the current state is complete.
 - 5. The method as recited in claim 3, wherein said validating includes: sending a request including said Schema from a user to a remote server;
- 20 and retrieving a validity determination as to said Schema.
 - 6. The method as recited in claim 3, wherein said validating includes: reading said Schema into a set of valid Schema descriptor classes; and

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creating a set of objects out of the Schema wherein the occurrence of an object reflects validity.

- 7. The method as recited in claim 1, wherein said creating includes a set of object oriented classes selected from the group consisting of: Java, C++ and Smalltalk.
- 8. The method as recited in claim 1, wherein said creating includes representing a naming space with said internal static class to provide an implementation of said structure complexity.
- 9. A method for mapping a Schema including a structural complexity into an object oriented language including a functionality to provide a one to one correspondence between the structural complexity of the semantical language and the functionality of the object oriented language, comprising the steps of:

receiving said Schema;

validating said Schema;

- creating a set of object oriented classes including a set of internal static classes to provide a mapping of the Schema into the object oriented language; creating an instance corresponding to the object oriented classes; compiling the instance to provide an object oriented code; and transmitting the object oriented code.
- 20 10. The method as recited in claim 9, wherein said validating includes using a object finite state machine including a current state to verify a function call against the current state of the object, wherein the Schema is invalid when the function call is initiated before the current state is complete.
 - 11. The method as recited in claim 9, wherein said validating includes:

sending a request including said Schema from a user to a remote server; and retrieving a validity determination as to said Schema.

- The method as recited in claim 9, wherein said validating includes:
 reading said Schema into a set of valid Schema descriptor classes; and creating an instance of a compiler class wherein the compiler class is described in the Schema.
- 13. The method as recited in claim 9, wherein said creating a set of object oriented classes includes selected from the group consisting of: Java, C++ and Smalltalk.
 - 14. The method as recited in claim 9, wherein said creating an instance includes representing a naming space with the internal static class to provide an implementation of said structural complexity.
- 15. A computer readable medium containing programming which whenexecuted performs the following procedures comprising:

identifying a data description; and

creating an object oriented class including an internal static class, wherein the internal static class corresponds to a structure complexity of the data description.

20 16. The medium as recited in claim 15, wherein said medium further performs the procedure receiving a Schema for an XML text.

- 17. The medium as recited in claim 15, wherein said identifying procedure includes validating a Schema including a class description to provide the creation of an instance of a compiler class corresponding to the class description.
- 18. The medium as recited in claim 17, wherein said validating procedure includes using a object finite state machine including a current state to verify a mutator method call against the current state of the object, wherein the Schema is invalid when the mutator method call is initiated before the current state is complete.
- 19. The medium as recited in claim 17, wherein said validating procedure includes:

sending a request including said Schema from a user to a remote server; and

retrieving a validity determination as to said Schema.

20. The medium as recited in claim 17, wherein said validating procedure includes:

reading said Schema into a set of valid Schema descriptor classes; and creating a set of objects out of the Schema wherein the occurrence of an object reflects validity.

- The medium as recited in claim 15, wherein said creating procedure
 includes a set of object oriented classes selected from the group consisting of:
 Java, C++ and Smalltalk.
 - 22. The medium as recited in claim 15, wherein said creating procedure includes representing a naming space with said internal static class to provide an implementation of said structure complexity.

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23. A computer readable medium containing programming for mapping a Schema including a structural complexity into an object oriented language including a functionality to provide a one to one correspondence between the structural complexity of the semantical language and the functionality of the object oriented language which when executed performs the following procedures comprising:

receiving said Schema;

validating said Schema;

creating a set of object oriented classes including a set of internal static classes to provide a mapping of the Schema into the object oriented language; creating an instance corresponding to the object oriented classes; compiling the instance to provide an object oriented code; and transmitting the object oriented code.

- 24. The medium as recited in claim 23, wherein said validating procedure includes using a object finite state machine including a current state to verify a function call against the current state of the object, wherein the Schema is invalid when the function call is initiated before the current state is complete.
 - 25. The medium as recited in claim 23, wherein said validating procedure includes:
- sending a request including said Schema from a user to a remote server; and retrieving a validity determination as to said Schema.
 - 26. The medium as recited in claim 23, wherein said validating procedure includes:
- reading said Schema into a set of valid Schema descriptor classes; and

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creating an instance of a compiler class wherein the compiler class is described in the Schema.

- 27. The medium as recited in claim 23, wherein said creating a set of object oriented classes procedure includes an object oriented language selected from the group consisting of: Java, C++ and Smalltalk.
- 28. The medium as recited in claim 23, wherein said creating an instance procedure includes representing a naming space with the internal static class to provide an implementation of said structural complexity.
- An apparatus for mapping a descriptive language including a data
 description having a structure complexity into an object oriented data presentation comprising:

means for identifying the data description; and

means for creating an object oriented class including an internal static class, wherein the internal static class corresponds to the structure complexity of the data description.

- 30. The apparatus as recited in claim 29, wherein said apparatus further comprises means for receiving a Schema for an XML text.
- 31. The apparatus as recited in claim 29, wherein said identifying means includes means for validating a Schema including a class description to provide the creation of an instance of a compiler class corresponding to the class description.
- 32. The apparatus as recited in claim 29, wherein said validating means includes a object finite state machine including a current state to verify a mutator

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method call against the current state of the object, wherein the Schema is invalid when the mutator method call is initiated before the current state is complete.

- 33. The apparatus as recited in claim 29, wherein said validating means includes a web browser to send a request including said Schema from a user computer to a remote server, in response to said request, said Schema being validated.
- 34. The apparatus as recited in claim 29, wherein said validating means includes:

means for reading said Schema into a set of valid Schema descriptor classes; and

means for creating a set of objects out of the Schema wherein the occurrence of an object reflects validity.

- 35. The apparatus as recited in claim 29, wherein said creating means includes a set of object oriented classes selected from the group consisting of: Java, C++ and Smalltalk.
- 36. The apparatus as recited in claim 29, wherein said creating means includes means for representing a naming space with said internal static class to provide an implementation of said structure complexity.